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Date: May 1999

To: D. A. Isom

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Document No.: DOE/RL-88-21

Title: HANFORD FACILITY DANGEROUS WASTE

PART A PERMIT APPLICATION

Revision Release No.: Revision 23

MSIN:

H6-08

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Name DR 150m

Date: 5-27-99

Revision

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^{♦ =} Revised this issue.

			Unit type			Part A				Part I	3	Closure	plan	Postclo	sure	
			T=treatment	Waste type												2010
[١.,	,	S≈storage	M=mixed	Unit	Document			ļļ		_	_	_ \	~ .		Date
Unit	Co-op	Area ²	D=disposal	D=dangerous	classification3	type ⁴	Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	closed
						Area		·		·						
1324-N Surface	BHI	100	T	D	7	2,3	08/01/86	06/30/94	3						ìì	ì
Impoundment		L						<u> </u>							 	
105-DR Large Sodium Fire Facility	FDH	100	TS	D	1,13,17	3		05/11/98				03/95	2			
1706-KE Waste Treatment System	FDH	100	TS	М	3,13	2	08/01/86	10/01/96	3							
183-H Solar Evaporation Basins	BHI	100	TS	M	3,4	4	11/01/85	06/30/94	4			06/30/94	4	06/97	0	
1301-N Liquid Waste Disposal Facility	ВНІ	100	D	М	11	2,3	1	02/25/97								
1325-N Liquid Waste isposal Facility	ВНІ	100	D	М	11	2,3	ļ	02/25/97								
1324-NA Percolation Pond	BHI	100	TD	D	8,13	2,3		06/30/94								
100-D Ponds	BHI	100	TD	D	8,13	2,3	08/01/86	06/30/94	4			03/01/93	0			
						Areas										
221-T Containment Systems Test Facility	FDH	200W	T	Ď	13	8	11/01/85	10/01/96	3							.02/22/99
200 West Area Ash Pit	Other	200W	Т	D	13,15	2	11/01/85	11/04/94	4			10/06/94			4,331	10/26/95
Demolition Site															Algebra	
218-E-8 Borrow Pit	Other	200E	T	D	13,15	~ 2	11/01/85	11/04/94	4		a. A.	10/21/94	1	上四增殖		10/26/95
Demolition Site		1				Section 1	A TOTAL AND THE	200					Section of the sectio			数 時
242-A Evaporator	FDH	200E	TS	M	3,4	1		10/01/96		07/97	1					
Grout Treatment Facility	FDH	200E	TSD	M	3,4,7,11	12		10/01/96		07/24/92	2					<u> </u>
T Plant Complex	FDH	200W	TS	M	1,2,3,4,10,13	1	12/01/87	12/23/98	7	12/19/95	0					L
241-Z Treatment and Storage Tanks	FDH	200W	TS	М	3,4	7	12/01/87	04/14/97	5			12/31/96	0			
B Plant Complex	FDH	200E	TS	М	1,3,4,10	7	12/01/87	10/01/96	5				T		T	
222-S Laboratory Complex	FDH	200W	TS	M	1,2,3,4	1	11/25/87	12/23/98	7	12/21/91	0		Ĭ			
204-AR Waste Unloading Station	FDH	200E	Т	М	4	1	12/01/87	10/01/96	4							
PUREX Plant	FDH	200E	TS	М	3,4,10	7	12/01/87	10/01/96	8	 	1		\top	\vdash	1	<u> </u>
Hanford Waste	FDH	200E	TS	M	1,3,4,12,13	13	I .	10/01/96		10/01/91	2					
Vitrification Plant		2005				<u> </u>	1	ļ	<u> </u>		ļ.,	 	 	└ ──	 	
200 Area Effluent Treatment Facility	FDH	200E	TS	М	1,3,4	1		05/11/98		07/97	0*					
Waste Receiving and Processing Facility	FDH	200W	TS	М	1,2	1	01/25/95	05/22/98	2	05/22/98	I				<u> </u>	

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		·	Unit type					Part A		Part I	B	Closure	plan	Postclo	sure	
{			T=treatment	Waste type		İ		1							\sqcap	
1			S=storage	M=mixed	Unit	Document]								Date
Unit	Co-op ¹	Area ²	D=disposal	D=dangerous	classification3	type⁴	Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	closed
Plutonium Finishing Plant	FDH	200W	T	M	2	6	12/23/98	12/23/98	0							
Treatment Unit		}				 		Ì					_ <u> </u>			
2727-S Storage Facility	Other	200W	Samuel S	D.	1,15	- 2-2-c	11/01/85	11/16/87	2 _5.	This was a second	ghià à .	10/07/92	3A.		100	≱ 06/27/95≾
Double-Shell Tank System	FDH	200EW	ŤS	M	3,4	1	09/01/87	10/01/96	8	06/28/91	0					
Hexone Storage and	BHI	200W	TS	М	1,3,4	2	12/01/87	06/30/94	3			11/24/92	0			
Treatment Facility				.		Ĭ		Ì			\	}	1	_	<u> </u>	
2727-WA SRE Sodium	FDH	200W	S	M.		8	12/01/87	10/01/96	ୁ l ୬୭	e agranda e e e e e e e e e e e e e e e e e e e		V GEE	\$			02/22/99
Storage Building	4 7 7					444	支票公司	委员工 的	4 B	i da		4 B			4.8	
PUREX Storage Tunnels	FDH	200E	S	М	12	1	12/01/87	10/01/96	5	04/14/97	4					
224-T Transuranic Waste	FDH	200W	S	M	1	2	12/01/87	10/01/96	6	06/30/92	0]]	
Storage and Assay Facility	L			1	•	}	}	1	 	<u> </u>	l 				<u> </u>	<u></u>
Central Waste Complex	FDH	200W	TS	M	1,2	1	05/01/88	05/22/98	5	05/22/98						
Single-Shell Tank System	FDH	200EW	TS	M	3,4,5	11	02/01/88	10/01/96	4			09/30/89	Draft		L	
207-A South Retention	FDH	200E	S	M	6,	6	02/26/90	10/01/96	2							
Basin	i			ĺ		}	Ì		Ì]	<u> </u>]	<u> </u>	Ĺ	<u> </u>	L
Liquid Effluent Retention	FDH	200E	ŤS	M	6,7	ì	02/26/90	05/22/98	6	07/97	0*					
Facility						<u> </u>			l		<u> </u>	l	<u> </u>		<u> </u>	
241-CX Tank System	BHI	200E	S	M	3	6	07/10/90	06/30/94	3						T	
Waste Encapsulation and	FDH	200E	S	M	12	6	12/19/97	12/19/97	0	<u> </u>	Ţ				T "	
Storage Facility	L			}		1	•	Ì	Ì]	<u> </u>	<u> </u>	1	<u>L. </u>	1	
Low-Level Burial Grounds	FDH	200EW	SD	M	1,11	i	11/01/85	12/23/98	11	07/97	1	J			<u> </u>	
216-S-10 Pond and Ditch	BHI	200W	D	М	8	2,3	02/01/87	06/30/94	3				0		T	
2101-M Pond	Other	200E	, D	D	8,15	2	08/01/86	11/16/87	2	J. F. J. S.		07/01/94	2A		10 :000	10/26/95
216-A-29 Ditch	BHI	200E	TD	М	8,13	2,3	08/01/86	06/30/94	3			1	0			_
216-B-3 Main Pond	BHI	200E	TD	M	7,8	2,3	08/01/86	06/30/94	5			<u> </u>			1	
	FDH	200E	TD	М	7,8	2,3	08/01/86	10/01/96	3				0		1	
216-B-63 Trench		į ;			,-	(į	Ì		1	Į .	Į.	ļ	ļ	ļ	l
	BHI	200E	D	М	11	2,3	08/01/87	06/30/94	3	i		1		<u> </u>	1	
216-A-10 Crib]]			Ì]	}	1)	1	1])]
	BHI	200W	D	М	11	2,3	08/01/87	06/30/94	3	1	1	1		1		
216-U-12 Crib	i	ļ :		ļ			ļ		1	}	}	1	1	ļ	1	ļ
	BHI	200E	D	М	11	2,3	02/01/88	06/30/94	1	T	T	T	0	[1	
216-A-36B Crib		i					ľ	1			1					
	BHI	200E	D	М	11	2,3	02/26/90	06/30/94	2	1	Τ	T	\top			
216-A-37-1 Crib		}		1	}	1	1	1	}	}	1	}	1	1	1_	L
	Other	200E	TD	М	7,8,15	.2	12/16/93	12/16/93	0.		3.5	10/31/94	2		22,6120	06/27/95
216-B-3 Expansion Ponds	3.3417					STALL ST	Berger Brig	1.数百日			1 15	(2×14)				

DOE/RL-88-2 Permitting Statu Rev. 23, 05/99

	Unit type Part A Part B		3	Closure	plan	Postclo	sure									
	}		T=treatment	Waste type		·		Γ	Γ							Ì
	[S=storage	M=mixed		Document										Date
Unit	Co-op ¹	Area ²	D=disposal	D=dangerous	classification ³	type⁴	Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	closed
					300	Агеа		' -	<u></u>			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
3718-F Alkali Metal	FDH	300	TS	M	1,4,13	2	11/01/85	10/01/96	• 4	1.54	7.5	11/20/95	2			08/04/98
Treatment and Storage	1		111										s Pijas		79.5	340 kg m
Area			u 18-5.				18 Age					, NE				
324 Pilot Plant	PNNL	300	T	M	4,16	8	1	05/19/88	1			· 10 克罗斯	87.47	1.54	1449	06/09/97
304 Concretion Facility	Other	3.00	TS		1,2,15	2		06/21/90			450	11/30/93	2	The state of the state of	A CONTRACTOR	311/30/95
300 Area Solvent	Other	300	TS	M	1,4,15	2	11/01/85	03/27/90	4	10.00 miles (1.00		09/24/92	3B	#	1	÷06/27/95 ÷
Evaporator ***					· 学动学电影							D	銀色数		#4 Z. J. P. B.	
300 Area Waste Acid Treatment System	FDH	300	TS	М	3,4,13	2	09/01/87	10/01/96	5			03/96	1			
303-M Oxide Facility	FDH	300	T	M	9	2	05/01/88	10/01/96	1			<u> </u>				
325 Hazardous Waste	PNNL	300	TS	M	1,2,3,4	1		06/30/97		06/30/97	1					
Treatment Units	1	İ					ļ				l		ļ		-	
Biological Treatment Test	PNNL	300	T	М	13,16	8	05/19/88	05/19/88	0			1.4		40 48	1.0	12/10/96
Facilities	Te day						- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			545 O			5 145 5 15 1			AP LID
Physical & Chemical	PNNL	300	TS	М	1,13,16	. 8	05/19/88	06/14/91	:1	, N 41 (m2)	8 2	Clarifon	5/20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 1 - 4 3 h	05/13/96
Treatment Test Facilities				4.81		2000年1		14045	The second	1000			-98,0	72.5	30.43	100 m
Thermal Treatment Test	PNNL	300	T and T	-	13,16	. 8	05/19/88	05/19/88	0	was allowed	- 1440	SHIP A	rah jirdir	i i		05/13/96
Facilities	Share 1	THE STATE OF THE PERSON NAMED IN	Transfer of the	Section de la comp	1000年5月1日	电容分型	4.2.0	AL SI		48.45 %				15 5 4		4.34.
311 Tanks (incorporated	FDH	300												1		
into 300 Area Waste Acid						!				ļ					1	
Treatment System, Rev. 3)	<u> </u>	<u></u>				Ì]]		Ì]]]			
303-K Storage Unit	FDH	300	S	M	1	2	08/01/87	10/01/96	5	Ţ		12/17/93	2			
305-B Storage Facility	PNNL	300	S	M	l	1	05/19/88	12/20/90	1	04/03/92	2		Ţ]		
332 Storage Facility	PNNL	300	S	M 2	1,16	8	05/19/88	05/19/88	≋0/	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ولي والد		1		. Xd ba	₂ 04/21/97 ₃
300 Area Process Trenches	BHI	300	D	M	8	4	11/01/85	05/25/95	4	T	Ι	05/25/95	4			
					400	Area	 _		<u> </u>	<u></u>						
	FDH	400	T	M	4	8	11/01/85	10/01/96	3				T			
437-MASF	,	1					}	1	1	1	ì	1	}	_	}	i
	FDH	400	S	M	1,15	2	09/01/87	10/01/96	3		1-	09/95	i		T	04/14/97
4843 Alkali Metal Storage					. velat sadia	la e disse	A 10 4 1 11	1. 4 25 25	1 .:.		1	1. 18 P. 13	100	1	. Sila	
Facility		表海 上		- 12 34 1 - 12 40 16 17 19			维持 性							5.55		A SELECTION
	FDH	400	TS	M	3,4	9	05/01/95	10/01/96	1		T					
Sodium Storage Facility										ļ		ļ	Ļ	ļ		ļ
and Sodium Reaction						1			1							
Facility	L						L	<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>			<u> </u>
					600	Area										
Hanford Patrol Academy	Other	600	T	D	13,15	2		12/15/94	4	1		12/15/94	1			10/26/95
Demolition Sites										1 7 1	1					

DOE/RL-88-21
Permitting Status
Rev. 23, 05/95

	<u> </u>		Unit type			<u> </u>	[Part A		Part	В	Closure	plan	Postclo	sure	
Unit	Co-op ¹	Area ²	T=treatment S=storage	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	Date closed
616 Nonradioactive	FDH	600	S	D	1	ı	11/01/85	03/04/97	7	10/31/91	2	 i			1 1	1
Dangerous Waste Storage Facility				·					 		<u> </u>	l]			
600 Area Purgewater	BHI	600	TS	M	12,13	10	02/20/90	09/11/98	3			[l l	
Storage and Treatment Facility						1		ļ				,		L		
Nonradioactive Dangerous Waste Landfill	BHI	600	D	D	11	2,3	11/01/85	06/30/94	4		Γ"	09/30/90	0			
Waste Dandini	!		L	L	300) Area		<u> </u>	L	L	·	 -	ــــــــــــــــــــــــــــــــــــــ	<u> </u>	<u> </u>	
Simulated High-Level	PNNL	3000	TS	M	1,2,15		05/19/88	108/12/94	7	T	_	11/07/94	16A			09/06/95
Waste Slurry Treatment/Storage				M M				76 75 15 (4)								

^{*} Combined Part B permit application DOE/RL-97-03.

¹ Co-op	вні	 Bechtel Hanford, Inc.
-	FDH	 Fluor Daniel Hanford, Inc.
	PNNL	 Pacific Northwest National Laboratory.
	Other	 Closed by a previous co-operator.
² Area	100	 100 Area
	200E	 200 East Area
	200W	 200 West Area
	200EW	 Parts of a TSD unit are located in both the 200 East and the 200 West Areas
	300	 300 Area
	400	 400 Area
	500	 Unused designation
	600	 600 Area
	3000	 3000 Area

³Unit classification 1

- 1 -- Container Storage
- 2 -- Container Treatment
- 3 -- Tank Storage
- 4 -- Tank Treatment
- 5 -- Waste pile
- 6 -- Surface impoundment Storage
- 7 -- Surface impoundment Treatment
- 8 -- Surface impoundment Disposal
- 9 -- Incinerator
- 10 -- Containment Building
- 11 -- Landfill
- 12 -- Miscellaneous Storage
- 13 -- Miscellaneous Treatment
- 14 -- Land treatment
- 15 -- Certified clean closure; regulatory acceptance letter received.
- 16 -- Certified procedural closure; regulatory acceptance letter received.
- 17 -- Certified partial clean closure, regulatory acceptance letter received.

⁴Document type

- l -- Part B
- 2 -- Closure plan
- 3 -- Partial closure
- 4 -- Postclosure plan
- 5 -- Closure work plan
- 6 -- Undetermined
- 7 -- TSD unit being closed, or anticipated to be closed, under Section 8.0 of the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement)
- 8 -- Procedural closure in accordance with Section 6.3.3 of the Tri-Party Agreement or in response to withdrawal requests submitted in fulfillment
 - of Tri-Party Agreement Milestone M-20-45
- 9 -- To be designated as a TSD unit if the Fast Flux Test Facility sodium is determined to have no beneficial use
- 10 -- Interim status TSD unit to be closed in accordance with the Purgewater Management Plan [Attachment 5 of the HF RCRA Permit (DW Portion)]
- 11 -- TSD unit subject to the closure work plan/closure plan process in accordance with Tri-Party Agreement Milestone M-45-06
- 12 -- Interim status TSD unit in a standby mode
- 13 -- Interim status TSD unit is to be superseded by a high-level waste immobilization facility.

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^{♦ =} Revised this issue.

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	4.2.3.7	216-A-10 Crib	3
	4.2.3.8	216-U-12 Crib	3
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		4.3.2.4	332 Storage FacilityCLOSED 04/21/97	0								
	4.3.3	Disposal	Facilities									
		4.3.3.1	300 Area Process Trenches	4								
4.4	.4 400 AREA FACILITIES											
	4.4.1											
		4.4.1.1	437-MASF	3								
	4.4.2	Facilities										
		4.4.2.1	4843 Alkali Metal Storage FacilityCLOSED 04/14/97	3								
		4.4.2.2		1								
4.5												
	4.5.1 Treatment Facilities											
		4.5.1.1	Hanford Patrol Academy Demolition Site CLOSED 10/26/95	4								
	4.5.2	Storage 1	Facilities									
		4.5.2.1	616 Nonradioactive Dangerous Waste Storage Facility	7								
		4.5.2.2	600 Area Purgewater Storage and Treatment Facility	3								
	4.5.3 Disposal Facility											
		4.5.3.1	Nonradioactive Dangerous Waste Landfill	4								
4.6	1100 AREA FACILITIES											
	4.6.1 Treatment Facilities											
		4.6.1.1	Simulated High-Level Waste Slurry Treatment/Storage CLOSED 09/06/95	2								